

<b>FORM PTO-1449(Modified)</b>	ATTY. DOCKET NO.: V0139/7038	SERIAL NO.: 09/477,392
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT: Nicholas H. Heintz	
	FILING DATE: January 4, 2000	GROUP: 1643

## U.S. PATENTS



## FOREIGN PATENT DOCUMENTS

## OTHER ART

(Including Author, Title, Date, Pertinent Pages, Publication, Etc.)

R2	CA	Wels, et al., "Biotechnological and gene therapeutic strategies in cancer treatment", <i>Gene</i> , 159(1):73-80 (1995) (Abstract)
↑	CB	Cooper, M.J., "Noninfectious gene transfer and expression systems for cancer gene therapy", <i>Semin. Oncol.</i> , 23(1):172-87 (1996) (Abstract)
↓	CC	Cristiano, R.J., "Targeted, non-viral gene delivery for cancer gene therapy", <i>Front Biosci</i> , 3:D1161-70 (1998) (Abstract)
↓	CD	Harris, et al., "Receptor-mediated gene transfer to airway epithelial cells in primary culture", <i>Am. J. Respir. Cell Mol. Biol.</i> , 9(4):441-7 (1993) (Abstract)
↓	CE	Wolfert, et al., "Chloroquine and amphipathic peptide helices show synergistic transfection in vitro", <i>Gene Ther.</i> , 5(3):409-14 (1998) (Abstract)

X2	CF	Baker, et al., "Polyethylenimine (PEI) is a simple, inexpensive and effective reagent for condensing and linking plasmid DNA to adenovirus for gene delivery", <i>Gene Ther.</i> , 4(8):773-82 (1997) (Abstract)
	CG	Perales, et al., "An evaluation of receptor-mediated gene transfer using synthetic DNA-ligand complexes", <i>Eur. J. Biochem.</i> , 226(2):255-66 (1994) (Abstract)
	CH	Miller, et al., "Targeted vectors for gene therapy", <i>FASEB J.</i> , 9(2):190-9 (1995) (Abstract)
	CI	Perales, et al., "Gene transfer in vivo: sustained expression and regulation of genes introduced into the liver by receptor-targeted uptake", <i>Proc. Natl. Acad. Sci. USA</i> , 91(9):4086-90 (1994) (Abstract)
	CJ	Schaffer, et al., "Optimization of cell surface binding enhances efficiency and specificity of molecular conjugate gene delivery", <i>J. Biol. Chem.</i> , 273(43):28004-8 (1998) (Abstract)
	CK	Kim, et al., "Getting a handhold on DNA: design of poly-zinc finger proteins with femtomolar dissociation constants", <i>Proc. Natl. Acad. Sci. USA</i> 95(6):2812-7 (1998) (Abstract)
	CL	Liu, et al., "Design of polydactyl zinc-finger proteins for unique addressing within complex genomes", <i>Proc. Natl. Acad. Sci. USA</i> , 94(11):5525-30 (1997) (Abstract)
	CM	Wu, et al., "Building zinc fingers by selection: toward a therapeutic application", <i>Proc. Natl. Acad. USA</i> , 92(2):344-8 (1995) (Abstract)
	CN	Schwarzenberger, et al., "Targeted gene transfer for human hematopoietic progenitor cell lines through the c-kit receptor", <i>Blood</i> , 87(2):472-8 (1996) (Abstract)
	CO	Buschle, et al., "Receptor-mediated gene transfer into human T lymphocytes via binding of DNA/CD3 antibody particles to the CD3 T cell receptor complex", <i>Hum. Gene Ther.</i> , 6(6):753-61 (1995) (Abstract)
	CP	Fisher, et al., "Biochemical and functional analysis of an adenovirus-based ligand complex for gene transfer", <i>Biochem. J.</i> , 299 (Pt 1):49-58 (1994) (Abstract)
	CQ	Thurnher, et al., "Carbohydrate receptor-mediated gene transfer to human T leukaemic cells", <i>Glycobiology</i> , 4(4):429-35 (1994) (Abstract)
	CR	Mahato, et al., "Nonviral vectors for in vivo gene delivery: physicochemical and pharmacokinetic considerations", <i>Crit. Rev. Ther. Carrier Syst.</i> , 14(2):133-72 (1997) (Abstract)
	CS	Leong, et al., "DNA-polycation nanospheres as non-viral gene delivery vehicles", <i>J. Controlled Release</i> , 53(1-3):183-93 (1998) (Abstract)
	CT	Carpenter, et al., "Targeting of a cholecystokinin-DNA complex to pancreatic cells in vitro and in vivo", <i>Gene Ther.</i> , 5(6):848-54 (1998) (Abstract)
	CU	Ding, et al., "Malarial circumsporozoite protein is a novel gene delivery vehicle to primary hepatocyte cultures and cultured cells", <i>J. Biol. Chem.</i> , 270(8):3667-76 (1995) (Abstract)
	CV	Ferkol, et al., "Gene transfer into the airway epithelium of animals by targeting the polymeric immunoglobulin receptor", <i>J. Clin. Invest.</i> , 95(2):493-502 (1995) (Abstract)
	CW	Simoes, et al., "Gene delivery by negatively charged ternary complexes of DNA, cationic liposomes and transferrin or fusogenic peptides", <i>Gene Ther.</i> , 5(7):955-64 (1998) (Abstract)
	CX	Batra, et al., "Receptor-mediated gene delivery employing lectin-binding specificity", <i>Gene Ther.</i> , 1(4):255-60 (1994) (Abstract)
	CY	Phillips, S.C., "Receptor-mediated DNA delivery approaches to human gene therapy", <i>Biologicals</i> , 23(1):13-6 (1995) (Abstract)

cz	CZ	Curiel, D.T., "High-efficiency gene transfer employing adenovirus-polylysine-DNA complexes", <i>Nat. Immun.</i> , 13(2-3):141-64 (1994) (Abstract)
	CAA	Morris, et al., "A new peptide vector for efficient delivery of oligonucleotides into mammalian cells", <i>Nucleic Acids Res.</i> , 25(14):2730-6 (1997) (Abstract)
	CAB	Gottschalk, et al., "A novel DNA-peptide complex for efficient gene transfer and expression in mammalian cells", <i>Gene Ther.</i> , 3(5):48-57 (1996) (Abstract)
	CAC	Fominaya, et al., "Target cell-specific DNA transfer mediated by a chimeric multidomain protein. Novel non-viral gene delivery system", <i>J. Biol. Chem.</i> , 271(18):10560-8 (1996) (Abstract)
	CAD	Uherek, et al., "A modular DNA carrier protein based on the structure of diphtheria toxin mediates target cell-specific gene delivery", <i>J. Biol. Chem.</i> , 273(15):8835-41 (1998)
	CAE	Guy, et al., "Delivery of DNA into mammalian cells by receptor-mediated endocytosis and gene therapy", <i>Mol. Biotechnol.</i> , 3(3):237-48 (1995) (Abstract)
	CAF	Takayanagi, et al., "Targeting delivery of therapeutic genes using monoclonal antibody; immunogene approach", <i>Nippon Rinsho</i> , 56(3):731-6 (1998) (Abstract)
	CAG	Vidal, et al., "New strategy for RNA vectorization in mammalian cells. Use of a peptide vector", <i>C.R. Acad. Sci. III</i> , 320(4):279-87 (1997) (Abstract)
	CAH	Duguid, et al., "A physicochemical approach for predicting the effectiveness of peptide-based gene delivery systems for use in plasmid-based gene therapy", <i>Biophys. J.</i> , 74(6):280214 (1998) (Abstract)
	CAI	Plank, et al., "The influence of endosome-disruptive peptides on gene transfer using synthetic virus-like gene transfer systems", <i>J. Biol. Chem.</i> , 269(17):12918-24 (1994) (Abstract)
	CAJ	Adami, et al., "Stability of peptide-condensed plasmid DNA formulations", <i>J. Pharm. Sci.</i> , 87(6):678-83 (1998) (Abstract)
	CAK	Hart, et al., "Gene delivery and expression mediated by an integrin-binding peptide", <i>Gene Ther.</i> , 2(8):552-4 (1995) (Abstract)
	CAL	Harbottle, et al., "An RGD-oligolysine peptide: a prototype construct for integrin-mediated gene delivery", <i>Hum. Gene Ther.</i> , 9(7):1037-47 (1998) (Abstract)
	CAM	Paul, et al., "Gene transfer using a novel fusion protein, GAL4/invasin", <i>Hum. Gene Ther.</i> , 8(10):1253-62 (1997) (Abstract)
	CAN	Mastrangelo, et al., "RIP60 dimers and multiples of dimers assemble link structures at an origin of bidirectional replication in the dihydrofolate reductase amplicon of Chinese hamster ovary cells", <i>J. Mol. Biol.</i> , 232(3):766-78 (1993)
	CAO	Fominaya, et al., "A chimeric fusion protein containing transforming growth factor- $\alpha$ mediates gene transfer via binding to the EGF receptor", <i>Gene Ther.</i> , 5:521-530 (1998)
	CAP	Wagner, et al., "Coupling of adenovirus to transferrin-polylysine/DNA complexes greatly enhances receptor-mediated gene delivery and expression of transfected genes", <i>Proc. Natl. Acad. Sci. USA</i> , 89:6099-6103 (1992)
	CAQ	Dunlap, et al., "Nanoscopic structure of DNA condensed for gene delivery", <i>Nucleic Acids Research</i> 25(15):3095-3101 (1997)
	CAR	Cotten, et al., "High-efficiency receptor-mediated delivery of small and large (48 kilobase gene constructs using the endosome-disruption activity of defective or chemically inactivated adenovirus particles", <i>Proc. Natl. Acad. Sci. USA</i> , 89:6094-6098 (1992)
	CAS	Caddle, et al., "RIP60, a Mammalian Origin-Binding Protein, Enhances DNA Bending near the Dihydrofolate Reductase Origin of Replication", <i>Mol. and Cell. Biol.</i> , 10(12):6236-6242 (1990)

rx	CAT	Edgell, et al., "Efficient Gene Transfer to Human Endothelial Cells using DNA Complexed to Adenovirus Particles", <i>BioTechniques</i> , 25:264-272 (1998)
	CAU	Held, et al., "Protein-Induced Alterations in DNA Structure at the <i>dhfr</i> Origin of Replication", <i>43. Colloquium Mosbach 1992 DNA Replication and the Cell Cycle</i> © Springer-Verlag Berlin Heidelberg (1992)
	CAV	Houchens, C.R., "Distinct Domains Mediate RIP60 Protein-Protein and Protein-DNA Interactions", A Dissertation Presented to the Faculty of the Graduate College of the University of Vermont, (1988)
	CAW	Dailey, et al., "Purification of RIP60 and RIP100, Mammalian Proteins with Origin-Specific DNA-Binding and ATP-Dependent DNA Helicase Activities", <i>Mol. Cell Biol.</i> , 10(12):6225-6235 (1990)
	CAX	Berg, et al., "The Galvanization of Biology: A Growing Appreciation for the Roles of Zinc", <i>Science</i> , 271(5252):1081-1085 (1996) (Abstract)
	CAY	Clarke, et al., "Zinc Fingers in <i>Caenorhabditis elegans</i> : Finding Families and Probing Pathways", <i>Science</i> , 282(5396):2018-2022 (1998)
	CAZ	Erbacher, et al., "Gene Transfer with Synthetic Virus-Like Particles Via the Integrin-Mediated Endocytosis Pathway", <i>Gene Therapy</i> , 6:138-145 (1999)
	CBA	Kichler, et al., "Influence of the DNA Complexation Medium on the Transfection Efficiency of Lipospermine/DNA Particles", <i>Gene Therapy</i> , 5:855-860 (1998)
	CBB	Crook, et al., "Inclusion of Cholesterol in DOTAP Transfection Complexes Increases the Delivery of DNA to Cells <i>in vitro</i> in the Presence of Serum", <i>Gene Therapy</i> , 5:137-143 (1998)
	CBC	Lambert, et al., "Protein-Mediated DNA Transfer Into Liposomes", <i>Molecular Microbiology</i> , 30(4):761-765 (1998)
	CBD	Wagner, et al., "DNA-Binding Transferrin Conjugates as Functional Gene-Delivery Agents: Synthesis by Linkage of Polylysine or Ethidium Homodimer to the Transferrin Carbohydrate Moiety", <i>Bioconjugate Chem.</i> , 2:226-231 (1991)
	CBE	Nakanishi, et al., "Association with Capsid Proteins Promotes Nuclear Targeting of Simian Virus 40 DNA", <i>Proc. Natl. Acad. Sci. USA</i> 93:96-100 (1996)
	CBF	Wychowski, et al., "A Domain of SV40 Capsid Polypeptide VP1 That Specifies Migration into the Cell Nucleus", <i>EMBO J.</i> Oct;5(10):2569-76 (1986)
	CBG	Cotten, et al., "Receptor-Mediated Transport of DNA into Eukaryotic Cells", <i>Methods Enzymol.</i> , 217:618-44 (1993)
	CBH	Rosenfeld, M.A., "Human Artificial Chromosomes Get Real", <i>Nature Genetics</i> , 15:333-335 (1997)
	CBI	Westphal, et al., "A System for Shuttling 200-kb BAC/PAC Clones into Human Cells: Stable Extrachromosomal Persistence and Long-Term Ectopic Gene Activation", <i>Human Gene Therapy</i> , 9:1863-1873 (1998)
	CBJ	Böttger, et al., "Condensation of Vector DNA by the Chromosomal Protein HMG1 Results in Efficient Transfection", <i>Biochimica et Biophysica Acta</i> , 950:221-228 (1988)
	CBK	Barthel, et al., "Laboratory Methods: Gene Transfer Optimization with Lipospermine-Coated DNA", <i>DNA and Cell Biology</i> , 12(6):553-560 (1993).
	CBL	Hansma, et al., "DNA Condensation for Gene Therapy As Monitored by Atomic Force Microscopy", <i>Nucl. Acids Res.</i> , 26(10):2481-2487 (1998)

✓	CBM	Trubetskoy, et al., "Self-assembly of DNA-Polymer Complexes Using Template Polymerization", <i>Nucl. Acids Res.</i> , 26(18):4178-4185 (1998)
✓	CBN	Perales, et al., "Biochemical and Functional Characterization of DNA Complexes Capable of Targeting Genes to Hepatocytes via the Asialoglycoprotein Receptor", <i>J. of Biol. Chem.</i> , 272(11):7398-7407 (Issue of March 14) (1997)
✓	CBO	Boukhnikachvili, et al, "Structure of In-serum Transfected DNA-Cationic Lipid Complexes", <i>FEBS Letters</i> , 409:188-194 (1997)
✓	CBP	Wagner, et al., "Transferrin-Polycation-DNA Complexes: The Effect of Polycations on the Structure of the Complex and DNA Delivery Cells", <i>Proc. Natl. Acad. Sci. USA</i> 88:4255-4259 (1991)
✓	CBQ	Mahato, et al., "Pharmaceutical Perspectives of Nonviral Gene Therapy", <i>Advances in Genetics</i> , 41:95-157 (1999)
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